STATE OF ILLINOIS # Grind anchor rod to bright finish OVD SIN STR REP & REPL 2008-9 at ground clamp location before DEPARTMENT OF TRANSPORTATION installing clamp. 3″ ∮ galvanized steet conduit. 3″ ♦ galvanized steel conduit. Distance to edge of pavement firead and cap both ends. Distance to edge of pavement Thread and cap both ends. -#4 bar spiral (E) Elevation Top 10-#9 v(E) bars equally spaced Anchor Rod Circle Diameter For details of anchor rods and positioning templates see Truss Support Post Base SECTION A-A Sheets OSC-A-4 and OSC-A-5. THE - ATTEN 3'-0" \$ shaft #5 bar spiral (E) 12-#9 v(E) bars equally spaced Approved clamps Approved clamps for grounding to for grounding to Anchor Rod Anchor Rod For details of anchor rods #6 braided copper #6 broided copper wire or cable wire or cable SECTION B-B 3" cl. 3'-6" \$ shaft 34" \$ x 10'-0" copper ground rod driven into natural ground. 34" \$ x 10'-0" copper ground rod driven into natural ground. 10-#9 v(E) bars Cost of rod, cable and clamps Cost of rod, cable and clamps equally spaced shall be included in cost of shall be included in cost of Drilled Shaft Concrete Foundations. Drilled Shaft Concrete Foundations. D #4 bar spiral (E) 3" cl. 3'-0" \$ shaft Elevation Bottom 3'-6" ø shaft for Type II-C-A and III-C-A Trusses **⊢**for Type I-C-A Truss 3 hoops minimum top and bottom ELEVATION 3 hoops minimum ELEVATION SECTION C-C top and bottom NOTES: 3'-0" \$ shaft The foundation dimensions shown in the Foundation Design Table are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least FOUNDATION DATA TABLE 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other Class SI Structure Truss Shaft Elevation Elevation conditions are indicated, the boring data will be included in the plans and the foundation Qu Station dimensions shown in the Foundation Data Table will be the result of site specific designs.

If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or Number Concrete Type Diamete Top Bottom Cubic Yards 2C1011090R024.7 N/A 48 + 30 II-C-A 3'-6" N/A 21'-6" 24'-6" 8.60 "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference, No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without 3" cl. the Engineer's written permission. Concrete shall be placed monolithically, without construction joints. SECTION D-D Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column. 3'-6" \$ shaft A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in "Drilled Shaft Concrete Foundation".

DESIGNED .	- 20
CHECKED -	EXAMINED
DRAWN -	PASSED ENGINEER OF BRIDGE DESIGN
CHECKEO -	ENGINEER OF BRIDGES AND STRUCTURES
OSC-A-9	6/01/2007

NUMBER	REVISION	DATE		
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FOUNDATION DESIGN TABLE									
Truss Type	Post Base Sheet	Maximum CantileverLength (ft)	Maximum Total Sign Area (sq ft)	Shaft Diameter (in)	"B" Depth (ft)	Anct No.	nor Rods Diameter (in)	Anchor Rod Circle Diameter (in)	
I-C-A	0SC-A-4	25	170	3.0	16.0	8	2	22	
II-C-A	0SC-A-5	30	170	3.5	17.0	12	2	30	
II-C-A	OSC-A-5	30	340	3.5	21.5	12	2	30	
III-C-A	OSC-A-5	35	170	3.5	19.0	12	2	30	
111-C-A	OSC-A-5	<i>3</i> 5	250	3.5	22.5	12	2	30	
III-C-A	OSC-A-5	35	400	3.5	26.5	12	2	30	
III-C-A	0SC-A-5	40	400	3.5	32.0	12	2	30	
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CANTILEVER SIGN STRUCTURES DRILLED SHAFT ALUMINUM TRUSS & STEEL POST

Various Routes

Various Counties

Sheet 45 of 105

Contract Number 44973

Anchor Rod Circle Diameter

and positioning templates see

#5 bar spiral (E)

12-#9 v(E) bars

equally spaced

Truss Support Post Base Sheets OSC-A-4 and OSC-A-5.

District 2 Overhead Sign Structure Repair & Replacement